PTO/SB/05	(12/97
	(120

Please type a plus sign (+) inside this box → Approved for use through 9/30/00. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office: U.S. DEPARTMENT OF COMM

Hader the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY
PATENT APPLICATION
TRANSMITTAL

John G. Thompson

Attomey Docket No.	SJO9	200301	02US	1	Total Pages		

First Named Inventor or Application Identifier

(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.	ER730013072US	1.8 16
(Only for new nonprovisional applications under or or treeter)			~ <u>~</u>
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO	Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450	10/8
1. X Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. X Specification (Total Pages)23 - Descriptive title of the Invention - Cross References to Related Application - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure Drawing(s) (35 USC 113) (Total Pages)4 4. Oath or Declaration (Total Pages)2 a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation /divisional with Box 17 completed) [Note Box 5 below] i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) namprior application, see 37 CFR 1.63(d)(2) and 1.33(b) Incorporation by Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy oath or declaration is supplied under Box 4b is considered as be part of the disclosure of the accompanying application and is he incorporated by reference therein.	7. Nucleotide and necessary) a. Co b. Pa c. St ACCO 8. Assignm 9. 37 CFR (when the statement of the sing) 11. X Return I (Should the statement of the sing) 15. Certified in foreign		Attorney
	ation-in-part (CIP)	of prior application No.	:
	PONDENCE ADDRESS		<u> </u>
 ✗ Customer Number or Bar Code Label3649 ☐ Or Correspondence address below 	91		
NAME			
IVAIVIC			
ADDRESS			
	STATE	ZIP	
	PHONE	FAX	
Assignee Name: INTERNATIONAL BUSINESS MACHINE	ES CORPORATION		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Fiedse type a plus sign (+) inside this box →

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a

F	E	E	T	R	A	N	S	M	l.	T	T	Α	L

Note: Effective October 1, 2001. Patent fees are subject to annual revision.

OTAL AMOUNT	OF PAYMENT	\$ 1122

	Complete If Known									
	Application Number	Not Available	· . · · · · · ·							
	Filing Date	March 29, 2004								
	First Named Inventor	ned Inventor John G. Thompson								
	Group Art Unit									
	Examiner Name									
_	Attorney Docket Number	SJO920030102US1								

	MET	HOD (OF PA	YMENT (che	ck one	9)	FEE CALCULATION (continued)						
1. 🛛				hereby authorize			3. ADI	DITIONA	L FEE	 S			
indicated fees and credit any over payments to:							Large	Entity	Small	Entity			
Deposit	Accou	nt Numb	er: _	09-0466			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	
Deposit	Accou	nt Name:	:	BM CORPO	RATIC	N	1051	130	2051	65	Surcharge - late filing fee or oath		
CI	narge A	ny Additi	ional		the Issu		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
		ired Und .16 and			FR at the Notice of	Mailing Allowance	1053	130	2053	130	Non-English specification		
	•						1812	2520	1812	2520	For filing a request for reexamination		
2.	Payme	ent Enclo	sed:	·	*		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
	☐ Che	eck (☐ Mon	ey Order 🔲 C	Other		1805	1840*	1805	1840*	Requesting publication of SIR after Examiner action		
FEE CALCULATION					1251	110	2251	55	Extension for reply within first month				
1. FII	ING	FFF		+-			1252	420	2252	210	Extension for reply within second month		
							1253	950	2253	475	Extension for reply within third month		
Large E	Entity	Small E	ntity				1254	1480	2254	740	Extension for reply within fourth month		
Fee	Fee	Fee	Fee	Fee Descrip	tion	Fee Paid	1255	2010	2255	1005	Extension for reply within fifth month		
Code	(\$)	Code	(\$)				1401	330	2401	165	Notice of Appeal		
1001	770	2001	385	Utility filing fee		770	1402	330	2402	165	Filing a brief in support of an appeal		
1002	340	2002	170	Design filing fee			1403	290	2403	145	Request for oral hearing		
1003	530	2003	265	Plant filing fee			1451	1510	1451	1510	Petition to institute a public use proceeding		
1004	770	2004	385	Reissue filing fee	е		1452	110	2452	55	Petition to revive - intentional		
1005	160	2005	80	Provisional filing	fee		1453	1330	2453	665	Petition to revive - unintentional		
	SUB	TOTAL	_ (1)			\$ 770	1501	1330	2501	665	Utility issue fee		
2. CL	AIMS	1		Fee	from		1502	480	2502	240	Design issue fee		
				Extra belo		Fee Paid	1503	640	2503	320	Plant issue fee		
Total CI	aims [30	-20 =	10 x 1	8 =	180	1460	130	1460	130	Petitions to the Commissioner		
Ind. Cla	ims	5	-3 =	2 x 8	6 =	172	1807	50	1807	50	Petitions related to provisional applications		
Multiple	Dep. Cl	aims		0 x 2	90 =	0	1806	180	1806	180	Submission of Information Disclosure Stmt		
Large I	Entity	Small E	Entity				8021	40	8021	40	Recording each patent assignment per property (times number of properties)		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Descrip	tion		1809	770	1809	385	Filing a submission after final rejection (37 CFR 1.129(a))		
1202 1201	18 86	2202 2201	9 43	Claims in excess		cess of 3	1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b))						
1203	290	2203	145	Multiple depende	ent claim		Other fee	(specify)					
	su	втот	AL (2)	\$	352	*Reduce	d by Basic	Filing Fee	•	SUBTOTAL (3)	6 0	

SUBMITTED BY		Comple	te (if applicable)		
Typed or Printed Name	Brian C. Kunzler	Reg. Number	38,527		
Signature	15xc/2	Date	Mar 29, 2004	Deposit Account User ID	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Mail Stop Assignments, P.O. Box 1450, Alexandria, VA 22313-1450.

PATENT APPLICATION

Docket No.: SJO920030102US1

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label No.: ER730013072US

Date of Deposit: March 29, 2004

I hereby certify that this patent application in the name of John G. Thompson for

MIRRORED VOLUME REPLICATION METHOD, APPARATUS, AND SYSTEM, together

with the drawings, a Declaration, Power of Attorney, and Petition, an Assignment and

Recordation Form Cover Sheet, Information Disclosure Statement, PTO Form 1449, and Copies

of Cited References are being deposited with the United States Postal Service "Express Mail Post

Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope

addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450,

Alexandria, VA 22313-1450.

Respectfully submitted,

Brian C. Kunzler Reg. No. 38,527

Attorney for Applicant

Date: March 29, 2004

Brian C. Kunzler, P.C. 8 East Broadway, Suite 600

Salt Lake City, Utah 84111

Telephone: 801/994-4646